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VETERINARY

REPORT

College of Veterinary Medicine

University of Illinois at Urbana-Champaign

Summer 2003, Vol. 27, No. 3

INSIDE

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5 First clinical PhD degrees granted

10 Alumni share news of wolves, tornadoes, awards, more

Stats on the Class of 2007

Invited to the February 3, 2003, interviews:

- 150 Illinois residents, average cumulative GPA 3.49, science GPA 3.39
- 221 non-residents, average cumulative GPA 3.59, science GPA 3.52

Enrolled as of June 16, 2003

84 Illinois residents

20 non-residents

(80 women, 24 men)

Personal Traits Get Emphasis in Admissions

Who are you and where are you going in the profession?

The answers to those questions will be key to determining the makeup of the Class of 2008 and classes beyond.

The Admissions Advisory Committee has implemented procedural changes to address a longstanding dilemma in evaluating applicants' strengths: how to balance the importance of the academic skills needed to handle the demanding veterinary curriculum with the personal traits that mark success in the profession.

"Obviously academic scores are important," says Dr. Gerald Pijanowski, associate dean for academic and student affairs, "but we are trying to place more emphasis on who the person is."

All applications will be subject to an initial evaluation of cumulative and science grade-point average, the rigor of the undergraduate academic experience, and Graduate Record Examination score. A composite score derived from these factors will identify applications demonstrating sufficiently strong academic ability to proceed to review by faculty on the admissions committee.

At the next review stage, only subjective measures—personal statements, letters of recommendation, and work and life experience—will be evaluated, and three faculty members will review each application.

Admissions continued on page 5

Received

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Discovery of Subcellular Pouch Could Alter Approach to Disease Treatment

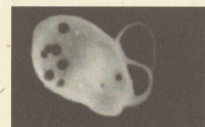
Excerpted from a story by Jim Barlow, UI News Bureau

Researchers looking inside a pathogenic soil bacterium have found an organelle, a subcellular pouch, existing independently from the plasma membrane. The discovery within a prokaryotic organism challenges the theory on the origin of eukaryotic organelles and suggests a targeted approach to killing many disease-causing organisms.

"The organelle we found in the bacterium *Agrobacterium tumefaciens* is practically identical to the organelle called acidocalcisome in unicellular eukaryotes," says Dr. Roberto Docampo, professor of veterinary pathobiology and scientific director of the Center for Zoonoses Research.

Dr. Docampo began researching these organelles in 1994. He soon determined that a tiny granule in yeast, fungi, and bacteria, thought to be for storage, was a fully operational organelle containing pyrophosphatase, a pump-like enzyme that allows proton transport. He named it an acidocalcisome for its acidic and calcium components. In 2000, he reported its existence in *Plasmodium berghei*, a malaria-causing eukaryotic parasite.

The newest discovery was published by the *Journal of Biological Chemistry* in a paper by Dr. Docampo and colleagues at the Center for Zoonoses Research and Laboratory of Molecular Parasitology at the College,



COURTESY OF KILDAIRE MENDIA

Acidocalcisomes (the black spheres) as viewed in a trypanosome, a family of parasites that cause African sleeping sickness, Chagas disease and leishmaniasis. The cell is approximately 10 μ m long and 4 μ m wide.

including Drs. Manfredo Seufferheld, Mauricio C.F. Vieira, Felix A. Ruiz, Claudia O. Rodrigues, and Silvia N.J. Moreno. The National Institutes of Health funded the research.

Agrobacterium tumefaciens is a prokaryote, a unicellular organism lacking membrane-bound nuclei. It causes crown gall disease in many broad-leaved plants but also is a favored tool for plant breeding because of its model system of DNA transfer into the hosts it invades.

Bacteria and other prokaryotes generally lack an endomembrane system. Thus bacteria are presumed to lack compartments such as organelles not somehow linked to the plasma membrane ringing the organisms.

"What we describe is a discrete organelle independent of the plasma membrane," Dr. Docampo says. "It has a proton pump in its

Subcellular Pouch continued on page 4



Dr. Moolittle, the entry from the College of Veterinary Medicine into Chicago's "Cows on Parade" public art event in 1999, returned in June to welcome clients and visitors to the Large Animal Clinic in Urbana.

College Advisory Committees Help Steer Us to the Future

by Dr. Herbert Whiteley

DEAN



The state advisory committee helps us build key relationships within the state among legislators, business leaders, and other policy makers.

In the first two weeks of June the College hosted visits from both the state and the national advisory committees.

Both groups took a look at the College's strategic plan (see www.cvm.uiuc.edu/deans/) and advised us on areas of advantageous focus as well as identified potential sources of funding and collaboration.

The state advisory committee offers invaluable guidance to our faculty curricular committees on the needs of practicing professionals, for example, by giving feedback about our graduates' performance in the workplace. This body also helps us build key relationships within the state by informing state legislators, business leaders, and other policy makers about who we are and what we do.

Members were chosen for broad representation geographically and in area of practice interest. In addition, the presidents of the Illinois State Veterinary Medical

Association and the University of Illinois Veterinary Medical Alumni Association give insights from those groups.

Members of the state advisory committee are: Bill Armbruster ('88), Green Haven Animal Clinic, San Jose; Connie Austin, Illinois Department of Public Health; Cindy Charlier ('84), Dundee Animal Hospital; Joe Connor ('76), Carthage Veterinary Service; Joe Foerner ('65), Equine Hospital and Field Service, Naperville; Jim Fraley, Illinois Farm Bureau; Tom Greiner (Iowa '65), Oak Knoll Animal Hospital, Ltd., Moline, and president of the Illinois State Veterinary Medical Association; Nancy Kucera ('80), Meller James & Associates, Anna; Gene Mueller ('87), Anti-Cruelty Society, Chicago; George Richards ('67), Vermilion Veterinary Ventures, Danville; Ken Walker ('64), Walker Standardbred Farm, Sherman; Chuck Wiedmeyer ('94), assistant professor at the University of Missouri College of

Veterinary Medicine in Columbia and president-elect of the Veterinary Medical Alumni Association; K.T. Wright ('62), Blandinsville Veterinary Clinic; Will Wright ('66), Capitol Illini Vet Services Ltd., Springfield.

The national advisory committee comprises leaders from government, industry, and academia. (See photo page 3.) Many of the members are our graduates. This group will help us in long-range planning and in directing our effort toward the most fruitful opportunities in the future of veterinary medicine and biomedical sciences.

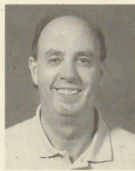
Both groups stressed the importance of providing veterinary students with a broad range of experiences in practice settings, with emphasis on people skills, diagnostic abilities, and routine animal care. The College looks forward to many more useful exchanges with these valued professionals. ■

Trading Spaces

by Dr. Ronald Smith, Head, Department of Veterinary Pathobiology

Faculty in the Department of Veterinary Pathobiology (VP) are preparing for a massive reshuffling of laboratory and office space. Like participants on the television show "Trading Spaces," they'll be moving into space prepared by others. Unlike the show there will be no surprises.

The moves are made possible by the \$4 million Veterinary Medicine Basic Sciences Building Completion Project. Since the building was built 20 years ago, the portions of the second and third floor left uncompleted have been dubbed the "shell space." Over the years funding permitted completion of some of the third floor shell space, but the second floor remained unchanged, serving largely as freezer space, equipment storage, and home of the Veterinary Medicine Fitness Center.



Recently a team of faculty, led by Dr. Roberto Docampo from VP and Dr. David Gross, head of the Department of Veterinary Biosciences, succeeded in obtaining funding from the National Institutes of Health, the College, and the University for completion of the remaining space—10,000 square feet on the second floor for VP, and 4,000 square feet on the third floor for VB.

The remodeling project is nearing completion and relocations will begin this fall when five VP faculty members move their laboratories, offices, and student space to the new shell area. The remodeled space will also include dedicated freezer space with automatic electrical backup and research support areas such as a walk-in cold room, instrument room, and data processing area.

A second wave of moves will occur when other faculty members expand their laboratory and office space by moving into space vacated by those moving into the former shell area. A third wave of moves will occur when

additional faculty move into space vacated by the previous group.

All VP faculty will be directly or indirectly affected by the remodeling project, which is ultimately intended to enhance research programs. In fact, an important concept used to sell the project was the strengthening and expansion of specific research programs. In all, eight VP programs, ranging from molecular to ecological aspects of infectious diseases, were specifically identified in the proposal.

Everyone will benefit from being able to relieve crowding and enhance research capability formerly limited by space constraints. Additional laboratory and office space will also facilitate graduate research.

This project promises to directly or indirectly benefit everyone in the department by enhancing our research competitiveness and ability to attract outstanding graduate students and faculty. A formal dedication will be held this fall. ■



Visit us on the Web for the latest news and information from the College of Veterinary Medicine: www.cvm.uiuc.edu.

The College acknowledges its sponsors for support of these recent alumni and student events: White Coat Ceremony and commencement reception.

Platinum Sponsors:

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Bronze Sponsors:

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Patients Sought for TPLO Pain Study

Large-breed dogs weighing over 25 kg with a partial or full tear of a cranial cruciate ligament are sought for a study on the treatment of pain after a tibial plateau leveling osteotomy. The new study, undertaken by Drs. Roy Barnes, Dianne Dunning, Kurt Grimm, Sarah Haldane, and William Tranquilli, all of veterinary clinical medicine, will compare two forms of non-steroidal anti-inflammatory drugs—carprofen and deracoxib—with a positive control morphine.

It seeks data to support maximal patient comfort with the least potential for an adverse drug reaction. Dogs will be excluded from the study if they have received any NSAIDs over the previous 10 to 14 days or any neutraceuticals over the previous 30 days. The study is funded by Novartis and Pfizer.

For more information, please call the orthopedic surgery service at 217/265-5533 or contact Dr. Barnes (rbarnes@cvm.uiuc.edu; 217/333-5308) or Dr. Dunning (217/265-6262). ■



The national advisory committee: seated, from left: Jorge Guerrero (PhD '71), professor, University of Pennsylvania and formerly executive director at Merial Ltd.; Linda Tollefson ('80), deputy director, Center for Veterinary Medicine, Food and Drug Administration; Phil Bradshaw, swine producer and former president of the U.S. Animal Health Association; Ed Kanara ('79), global director, Veterinary Operations and Drug Safety, Pfizer; standing, from left: Doug Feller ('77), executive director of R&D, Elanco Animal Health, Prem Paul, Vice Chancellor for Research, U of Nebraska-Lincoln; Richard Dierks, former veterinary college dean at the University of Illinois and the University of Florida; Ed Hoover ('67), University Distinguished Professor, Colorado State University; Gregg BeVier ('82), vice president, Sygen; Herbert Whiteley, dean of the College. Not shown: Tim Bertram, vice president for drug safety evaluation, Pfizer.

Office Gives College Outreach Higher Profile

In a move that both consolidates and elevates service activities, the College has created the Office of Public Engagement to oversee continuing veterinary education, public information and outreach, and Extension work.

"The new office gives College-wide emphasis to a key aspect of our mission, our commitment to address the needs of a changing profession and society in innovative ways," notes College dean

Dr. Herbert Whiteley. "Functioning at the dean level, this office commands the talent of staff and faculty throughout the College."

Dr. Allan Paul, professor of veterinary pathobiology and former coordinator of the Continuing Education-Public Service/Extension group, has accepted the position of associate dean for public engagement. Dr. Christine Merle, also formerly with the CEPS unit, will serve as assistant dean. Both officially began in their new capacities on July 1.

The Office of Public Engagement assumes the functions previously handled by the CEPS unit, such as producing Fall Conference, Executive Veterinary Program offerings, and other continuing veterinary education events. In addition, it will organize

College exhibits at state fairs and breed and industry shows and lead efforts to establish greater visibility and engagement throughout the state and especially in Chicago.

In all these areas the office will work closely

with advancement staff in marketing, communications, and fund-raising.

"I plan to continue the traditions of outstanding outreach and continuing education that CEPS provided," says Dr. Paul. "With this restructuring we can

more effectively integrate personnel within the academic departments into these activities."

For example, faculty who currently hold a percentage Extension appointment will serve as coordinators involving all faculty in outreach in specific areas: Dr. Larry Firkins in swine, Dr. Gavin Meerdink in beef and feed safety, Dr. Dick Wallace in dairy, and Dr. Julie Whittrington in wildlife and exotics.

The former CEPS unit had lost several positions—both faculty and support staff—to budget cuts in recent years. The new office is positioned to maintain the outreach mission with fewer resources and fewer people and to draw on all College units to meet the needs of veterinarians and society. ■

Faculty Honored for Teaching

Two faculty members were recently recognized for outstanding teaching abilities.

Dr. Mark Oyama, veterinary clinical medicine, received the Carl J. Norden Outstanding Teacher Award at the April 12 awards and scholar-



ships ceremony. Fourth-year veterinary students selected him for outstanding teaching ability as well as character and leadership qualities. The award is sponsored by Pfizer Animal Health. Dr. John Andrews, director of the Veterinary Diagnostic Laboratory, and Dr. Petra Volmer, of veterinary biosciences, were finalists.

Dr. Jonathan Hale Foreman, veterinary clinical medicine, in April received the University of Illinois Campus Award for Excellence in Graduate



and Professional Teaching, which recognizes faculty in professional or graduate programs who normally wouldn't have an opportunity to compete for undergraduate teaching awards. The award honors teachers who demonstrate excellence in teaching and advising by taking innovative approaches to teaching, positively affecting the lives of their students, and making various other contributions to improve instruction and the curriculum. The \$5,000 award also carries a \$3,000 raise. ■



Judy Mewes, secretary, Dr. Christine Merle, assistant dean, and Dr. Allan Paul, associate dean, form the core of the new Office for Public Engagement. You can reach them at 217/333-2907 (voice) or 217/333-4628 (fax).

News from the Wild Side

The Second Annual "Doodle for Wildlife" event, held April 12, was a huge success, raising \$22,000 for the Wildlife Medical Clinic. High-ticket auction items included a doodle by the late Fred (Mister) Rogers and behind-the-scenes tours of Shedd Aquarium and Brookfield Zoo. WMC leaders would like to thank the many vendors and individuals who sent items for the auction. Special thanks are due the local businesses that helped make the evening possible: the Highdive, Framer's Market, Creative Catering, and Action Auction.

Also in April the Wildlife Medical Clinic completed outdoor flight cages for use by the resident birds of prey. The cages were



built in part through the generosity of the Rex and Nelle Jackson Foundation and through donations in memory of Dr. Thomas E. Burke, long-time faculty member and WMC advisor who died in 2002.

A ceremony to dedicate the facility to Dr. Burke for his leadership will be held later this year. ■



As the remodeling project nears completion (see column bottom of page 2), a crane removes debris from the roof of the Veterinary Medicine Basic Sciences Building in June.

6th Annual Conference on New and Re-emerging Infectious Diseases

The sixth annual Conference on New and Re-Emerging Infectious Diseases, sponsored by the College and its Center for Zoonoses Research, was held April 24 and 25. The conference featured seven speakers and 27 poster presentations.

"New and re-emerging infectious diseases, bioterrorism, and antibiotic-resistant microbial organisms threaten the health and well-being of the people and agricultural animals of the world," noted Dr. Roberto Docampo, scientific director for CZR and professor of veterinary pathobiology. "This conference highlighted some of these problems. As this area is moving extremely fast, we can look forward to tremendous advances in the understanding of pathogens and their interaction with humans and animals."

At the conference, keynote speaker Bertram L. Jacobs, of Arizona State University, Tempe, spoke on the prospects for improved vaccines for smallpox, a devastating disease that was eradicated from the wild in the 1970s but is still of concern as a bioterrorism agent.

Stephen C. Guptill, of the U.S. Geological Survey, explained his work with the Centers for Disease Control and Prevention that explores movement of West Nile virus between birds, mosquitoes, and humans and seeks to predict future outbreaks of the virus.

Other talks and posters dealt with animal models of infectious diseases, intracellular parasites, parasite organelles, food-borne diseases, and chemotherapeutic targets.

Graduate students Steve Grimme, biochemistry, and Michael Okura, veterinary pathobiology, won first and second prize, respectively, in the poster competition. ■

Subcellular Pouch continued from page 1

membrane, which is used to maintain its interior acidic content. This has never been described before in a bacterium."

The existence of discrete organelles is a defining component of unicellular eukaryotes, which have membrane-bound nuclei and specialized structures in their cell boundaries. The evolution of eukaryotic organelles "is a matter of extensive debate," Dr. Docampo says. The principle of endosymbiosis says that as microorganisms engulfed others, then new, membrane-surrounded organelles emerged in eukaryotes.

"It appears that this organelle has been conserved in evolution from prokaryotes to eukaryotes, since it is present in both. This argues against the belief that all eukaryotic organelles were formed when early eukaryotes swallowed prokaryotes," he says.

Using transmission electron and immunoelectron microscopy and X-ray microanalysis on the bacterium, researchers got a highly magnified and illuminated view.

Many parasites such as those that cause malaria, African sleeping sickness and toxoplasmosis and bacteria that contain these acidocalcisome organelles are pathogens.

Some pharmaceutical approaches have targeted pyrophosphate-related enzymes, Dr. Docampo notes. "Our suggestion is that if drugs specifically targeted these organelles, you may be able to kill the entire organisms." ■

Ceremony Celebrates Transition to Practice

On May 4, third-year students and their family members and friends attended the fourth annual ceremony to mark their progress into fourth-year clinical rotations. For the first time at the College ceremony, students had the option of donning either a white laboratory coat or green coveralls, depending on their primary area of practice interest. Nearly one-quarter of students stepped into coveralls.

In past years, students planning a career in large animal practice had met informally to celebrate the transition. Our thanks to Pharmacia for contributing the coveralls. ■

Admissions continued from page 1

"We've expanded the categories of relevant experience to include community service, leadership activities, entrepreneurship, and work experience in business, agribusiness, or research," Dr. Pijanowski says. "We want to be sure those with career goals other than practice are not at a disadvantage in the selection process."

An order of merit list created after the second review stage will determine which applicants are invited for the personal interview, which will be held on March 1, 2004. Offers of admission will be made on the basis of the combined results of the review of subjective measures and the interview scores.

"We expect that these changes will mean students' backgrounds will become much more diverse, but the students will still be academically strong. We may be able to get some people who have not spent as much time in private practice, but have been very active in other ways," notes Dr. Pijanowski.

He points to the so-called mega-study, commissioned in the 1990s by leading professional organizations to assess the state of veterinary medicine, as an impetus for the changes. The findings focused on the "skills, knowledge, aptitudes, and attitudes" of successful veterinarians.

A more recent study began defining in a concrete way traits desirable for the profession. These include positive interpersonal skills, stress tolerance, a desire for achievement, independence, creativity, service orientation, and being a problem solver and good decision maker.

"A lot of veterinary schools are looking at ways to incorporate this type of thinking into the admissions process," says Dr. Pijanowski. He is not aware of others that are implementing changes at this point.

The changes at Illinois evolved with the consensus of the members of the Admissions Advisory Committee: Drs. Karen Campbell and Dick Wallace, veterinary clinical medicine; Drs. Tony Goldberg and Joanne Messick, veterinary pathobiology; and Dr. Aslam Hassan, veterinary biosciences. Dr. Pijanowski is chair of the committee.

"There are still a lot of nitty-gritty details to work out," he concedes. "Ultimately, the procedure must ensure a fair process that can be applied consistently to every applicant." ■

First Clinical Medicine PhDs Awarded at Illinois

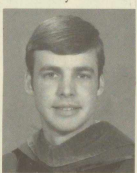
by Julia Foster

Accredited in 1999, the doctoral program offered by the College's Department of Veterinary Clinical Medicine brought forth its first graduates—Drs. Christopher Kuster and Shola Sulaimon—at the commencement ceremony in May.

These two and others currently in the program represent a broad range of backgrounds and areas of study, but they share a commitment to finding research-based solutions to clinical problems.

"There is a strong need for people with clinical expertise and the ability to conduct research," says Dr. Peter Constable, who serves as the department's assistant head and director of research and graduate studies. "That combination is important for the future of the veterinary profession."

"And as the profession becomes more specialized, there is a trend toward clinical medicine departments offering a PhD program, which brings Illinois into the top tier of veterinary schools."



Dr. Kuster, a native of Kewanee, Ill., completed his bachelor's, DVM, and master's degrees at the University of Illinois at Urbana-Champaign.

Still, he felt there was more work to be done in the area of boar fertility and artificial insemination. When the PhD program became available, he decided to continue his studies.

Dr. Kuster says the clinical medicine degree allowed him to "first identify a clinical problem, prove it exists, and then do basic science to elucidate the mechanism." His research uncovered some hard evidence to answer swine producers' questions about artificial insemination.

His faculty support represented all three departments in the College: from veterinary clinical medicine, former faculty members Drs. Gary Althouse and Peter Bahnsen as well as Drs. Ted Lock and Borje Gustafsson; from veterinary pathobiology, Dr. Randy Singer; and from veterinary biosciences, Dr. Rex Hess. Dr. Kuster also appreciated the chance to collaborate with members of the animal science department in the campus agricultural college.

During his job search, Dr. Kuster has found the dual DVM/PhD degree to be in high demand in private practice, government, industry, and academia.



Unlike Dr. Kuster, Dr. Sulaimon hails from the opposite side of the globe. After earning a veterinary degree from the University of Maiduguri in

Nigeria in 1994, she worked in a small animal practice for two years, then came to Illinois for a master's degree. Working with veterinary clinical medicine faculty Dr. Barbara Kitchell, Dr. Sulaimon later decided to continue her studies with Dr. Kitchell and Dr. Robert Clarkson.

She says the clinical medicine doctoral degree offered her the angle she needed to pursue oncology study.

"It allowed me to immediately apply my work, serving as a bridge between clinical work and basic research," she says. "The incidence of cancer is increasing worldwide. The clinical medicine PhD program offered me the chance to pursue translational research using in vitro therapeutic models, so I could elucidate a possible mechanism of chemo-resistance in canine malignant melanoma, thereby improving cancer therapy for people and animals."

Dr. Sulaimon is currently pursuing postdoctoral studies in oncology at the Center for Comparative Medicine at the University of California, Davis, getting hands-on training

in research and writing, using mouse models of breast cancer.

More doctoral students are following in the clinical medicine footsteps of Drs. Kuster and Sulaimon. The program currently has three students working on research in equine gastrointestinal disease, clinical pathology, and laboratory diagnostic medicine. Two more students—from Mexico and Egypt—will enter the program this fall and spring.

According to Dr. Constable, about one-third of the department's doctoral students are from abroad, which "provides diverse perspectives and important ties with the rest of the world, fostering the development of international relations."

The department's goal is to have ten PhD students by 2005. The longstanding PhD programs in the Departments of Veterinary Pathobiology and Veterinary Biosciences currently have 22 and 12 students enrolled, respectively.

"The clinical medicine PhD program attracts students and clinicians who want to be on the cutting edge of science, and it increases our department's emphasis on scholarly activity," Dr. Constable says. "Many of our current and new faculty hold PhDs and want to continue documenting independent and creative discoveries. The faculty are very excited about having energetic PhD students to push them along." ■



In June Dr. Julie Whittington, veterinary clinical medicine and medical director of the Wildlife Medical Clinic, operated to replace a radio transmitter in an eastern massasauga rattlesnake that is being tracked by scientists at the Illinois Natural History Survey. The snake was discovered last year at the University's Robert Allerton Park, near Monticello, Ill. It had been more than 10 years since one of these rattlesnakes, which pose no threat to people, had been seen in the two-acre restored prairie at the park. By tracking this snake, naturalists have shown that the restored prairie is healthy enough to support this native species.



Veterinary Student Scholarships Awarded

At an April 12 ceremony \$211,000 in scholarships and awards was given to 162 veterinary students. We deeply thank all those who contribute to these awards, which are crucial for encouraging and rewarding our students.

Six new awards were given:

Dr. and Mrs. Marvin Case Scholarship

Dr. Marvin Case earned a DVM, master's, and PhD degree at Illinois. Retired as director of corporate toxicology for 3M, Dr. Case has spoken with students about opportunities in industry and non-traditional veterinary medicine. This scholarship is awarded to a second-year student with plans to pursue a non-practice veterinary career.

It is sponsored by the Dr. Marvin T. and Carolyn B. Case Endowment Fund.

Dr. Anthony T. Kremer Scholarship for Small Animal Medicine and Surgery

This scholarship recognizes a third-year student with demonstrated interest in practicing small animal medicine, especially surgery. Dr. Anthony Kremer, a 1990 graduate of the College, and his family, are the sponsors.

Little Fort Kennel Club of Waukegan Scholarship

This scholarship, sponsored by the Little Fort Kennel Club of Waukegan, is designated for

any veterinary student who is a native of Lake County and has an interest in dogs.

Dr. Beryl D. and Renee Mell Awards

The Dr. Beryl D. and Renee Mell Endowment Fund was created by Dr. Beryl Mell, a 1959 graduate of the College, and his wife Renee, a 1958 graduate of the College of Education. It sponsors a scholarship for a veterinary student who exemplifies the ability to show compassion in dealing with the bond that exists between small animal companions and their owners.

Tanner and Holly Munday Scholarship

Jerry and Kathleen Munday, pharmacists who own the St. Joseph (Ill.) Apothecary and are long-time clients of the College's teaching hospital, established this scholarship to honor and assist a married veterinary student with a strong interest in pursuing a career in small animal surgery, good academic standing, and a high level of compassion, and to honor the Munday's beloved animal companions, Tanner and Holly.

Wheaton Kennel Club Scholarship

Presented to a veterinary student who is a native of DuPage County or surrounding counties, this scholarship is sponsored by the Wheaton (Ill.) Kennel Club. ■

George H. Alexander Memorial Scholarship
Kimberly Gryl

American Animal Hospital Association Award
Kevin Dajka

American Association of Feline Practitioners' Student Award
Alissa Behrstock

American College of Veterinary Radiology Award
Felicia Leung

American College of Veterinary Surgeons Awards
John Garrity, Large Animal Surgery
Dawn Karnicki, Small Animal Surgery

American Veterinary Medical Foundation Scholarship
Diana McMahon

Association of Avian Veterinarians Scholarship
Michael Adkesson

Bil*Jac Student Scholarship in Nutrition
Debra Jackson

Dr. Loyd E. Boley Scholarship
Erin Johnson

Dr. and Mrs. Wally Brandt Scholarship
Erin Johnson

Dr. and Mrs. Marvin Case Scholarship
Heather Labelle

Chicago Veterinary Medical Association President's Scholastic Award
Kathrine Loomis

Chicago Veterinary Medical Association Scholarship
Christina Comm

Class of 1952 Food Animal Scholarship
Derek McFarland

Class of 1983 Endowment Scholarships
Michael Adkesson
Greg Habing

L. L. Cluster Scholarship
Tracey Davis

College of Veterinary Medicine Awards for Academic Excellence Class of 2003
First: Dawn Karnicki
Second: Michelle Diesen
Third: Felicia Leung

Class of 2004
First: Jeremy Larson
Second: Christopher Stauchhammer
Third: Kathleen Biddle

Class of 2005
First: Susan Shack
Second: Justin Allen
Third: Jennifer Steele

Class of 2006

First: Tricia Bisby
Anthony Cappa
Molly Carpenter
Christopher Couri
Kristopher De Young
Chad Ely
Claire Ojala
Suzanne Rau
Stephanie Shoemaker
Lyn Wancket
Tige Witsberger

Lisa Coole Memorial Scholarships
Marianne Krumnick
Ryan Llera

Dr. Richard E. Dierks Veterinary Alumni Fund Scholarships
Kathleen Biddle
Chad Ely
William Lanier

Dr. Joseph L. Dornier Awards
Daniel Grove
Beth Ellen McNamara

Dr. Walter and Mary Lou Fehrenbacher Scholarship
Ryan Zinke

Alice H. Fruit Memorial Scholarship
Theresa Bowman

Anna M. Gulick Scholarship
Amber Detwiler

Dr. H.J. Hardenbrook Equine Scholarships
Cindi Loomis
Rebecca Swearingen

Dr. Allan H. Hart Scholarship
Jessa Ovirt

Dr. and Mrs. Lloyd Helper Veterinary Student and Faculty Collegiality Awards
April Finan
Dr. Ralph Hamor

Hill's Buddy Award
Kevin Dajka

Dr. H. Preston Hoskins Scholarship
Michael Adkesson

Illinois Academy of Veterinary Medicine Continuing Education Awards
First: Heather Mannix
Second: Joel Huffman

Illinois Reptile and Amphibian Medicine Awards
Michael Adkesson
Kyla Kuhns

Illinois Veterinary Medical Alumni Association Award
Felicia Leung

Illinois Walking Horse Association Award
Rebecca Swearingen

Lily Ireland Scholarship
Jeremy Larson

Professor Virginia R. Ivens Scholarship
Kimberly Wu (2003-2005 Recipient)

Kankakee River Valley Kennel Club Award
Diane Fedrow

Dr. Edward C. Khuen Memorial Award
Aimee Laframboise

Dr. Anthony T. Kremer Scholarship for Small Animal Medicine and Surgery
William Sutkay

Dr. Vaylord D. Ladwig Memorial Scholarship
Jennifer Cameron

Lake County Humane Society Scholarship
Angela Vogl

Bill Lang Wildlife Memorial Scholarship
Daniel Skirvin

Patricia Lawrence Memorial Scholarship
P.J. Klopfenstein

Tanner Leong Memorial Award
Nadine Langston

Dr. Roger P. Link Scholarship
Greg Habing

Little Fort Kennel Club of Waukegan Scholarship
Sara Fiochi

Dr. Heidi Lott Memorial Award
Cristine Rice

Dr. William Magrane Clinical Ophthalmology Award
Erica Shulha

Dr. John P. Manning Award
Kristine Machmer

Dr. Patrick C. Matchette Scholarship
Jill Muno

Mattoon Kennel Club Scholarship
Greg Habing

Dr. and Mrs. David McConnell Scholarship
William Love

Dr. and Mrs. C. David McLaughlin Scholarship
Nathan Kice

Dr. Beryl D. and Renee Mell Award
Kathrine Loomis

Merck AgVet Awards

Megan Borgstrom
Michelle Diesen
Tracy Endres
Dawn Karnicki
Felicia Leung
Jennifer Libbra
Laurie Pearlman
Lorien Pearlman
Shaina Pruden
Heidi Richardson
Tina Storzum
Abraham Trone

Dr. Christopher Moberly Scholarship
Shannon Zabolotzky

Multicultural Fellowships Class of 2006
Tracey Davis
Elizabeth De Los Monteros

Tanner and Holly Munday Scholarship
Kimberly Stevenson-Beck

Wanda Muntwyler Foundation Student Scholarship
Brett Wasik (2002-2003 Recipient)

Nestlé Purina Pet Care Award for Excellence in Companion Animal Nutrition
Steven Fox

North American Veterinary Conference Award
Jennifer Bochnowski

OTS Service Awards
Justin Allen
Molita Birchen
C.J. Boyce
Ryan Llera

Pfizer Veterinary Student Award
Jennifer Libbra

Pharmacia Animal Health Companion Animal Award
Dawn Karnicki

Pharmacia Animal Health Equine Award
Kimberly Kauffman

Pharmacia Animal Health Food Animal Award
Abraham Trone

Pharmacia Animal Health Swine Award
Nicolas Rippel

Severn Provus and Birdell Eck Provus Scholarship
Tracey Davis

Dr. Lester Puhse Memorial Award
Erin McDermott

Charles Renegar Family Scholarship
April Finan

Dr. Harry Reynolds Pathology Award
Susan Shack

Dr. J.E. Salsbury Scholarships
Heather Adams
Rebecca Balkin
Julie Barr
Kathleen Biddle
Elizabeth Cole
Amber Derwiler
Lorianne Fulco

Erin Graves
P.J. Klopfenstein
Heather Kovacevich
Stephanie Locke
Ingrid Peterson
Lisa Scott
Krista Shears
Kimberly Stevenson-Beck
Amy Sultenfuss

Dr. Jesse Sampson Awards
Justin Allen
Jennifer Steele

Sandrik Family Scholarships
Shyla Franklin
Christopher Stauchhammer

Scamps Top Herder Memorial Award
Jameson Ketchmark

Smack Dab's Agility Club Scholarship
Allen Walter

Dr. Erwin Small Scholarships
Michael Adkesson
Matthew Allender
Molita Birchen
Nicole DiGiacomo

Small Animal Executive Veterinary Program Scholarship
Patrick Rodawold

Sonata and Dvorak Behavioral Medicine Scholarship
Stacy Furgang

Sophie's and Gypsy's Golden Heart Awards
Sophie's: Kathrine Loomis
Gypsy's: Michelle Diesen

Southern Illinois Veterinary Medical Association Scholarships
Jennifer Fuller
Patrick Roady
Allen Walter

Dr. Donald W. Spencer Memorial Scholarship
Karen Louis

Stadheim Foundation Veterinary Scholarship
Shyla Franklin

Dr. Thomas B. Steffen Scholarship
Christopher Shirkey

Students for Equal Access to Learning Scholarship
Elizabeth De Los Monteros

Carl and Libbie Thetford Scholarship
Jennifer Jordan

Edith Tomlinson Award
Becky Bosetski

University Honors — Bronze Tablet Award
Jennifer Steele

Veterinary Centers of America, Inc., Student Scholarships
Matt Bussan
Jennifer Steele

Veterinary Emergency and Critical Care Awards
Alissa Behrstock
Tracy Endres
Linda Gregard

Kathleen Werner Memorial Scholarship
Jennifer Stone

Western States Veterinary Conference Scholarship
Greg Habing

Wheaton Kennel Club Scholarship
Tamara Webb



Class of 2003



Presenting the Graduating Class of 2003

On May 18, 2003, the 99 members of the Class of 2003 received Doctor of Veterinary Medicine degrees in Foellinger Great Hall at Krannert Center for the Performing Arts. Dr. George Eales, from the Class of 2002, also was formally hooded at the ceremony. A reservist who was called to active duty during rotations, Dr. Eales finished his degree in rotation.

Dr. Ted Lock gave the welcome, and Dr. Steve Marks delivered the address. Dr. Tom Greiner, president of the Illinois State Veterinary Medical Association, gave a greeting to the DVM graduates, and ISVMA president-elect Dr. Wesley Bieritz presented an award to valedictorian Dawn Karnicki. Michelle Diesen was the salutatorian.

Faculty participating in the hooding of the new graduates included Dr. Herbert Whiteley, Dr. Gerald Pijanowski, Mary Kelm, Dr. Allan Paul, Dr. Ralph Hamor, Dr. Lock, Dr. Marks, Dr. Mark Oyama, Dr. Clifford Shipley, and Dr. David Sisson. Class representative Joseph Lyman gave the class response.

Ten PhD and nine master's degrees were also awarded from the College that day:

Department of Veterinary Biosciences
Master of Science
Carla M. K. Morrow

Doctor of Philosophy
Kurt Allan Grimm
Srikanth Yellayi
Qing Zhou

Department of Veterinary Clinical Medicine
Master of Science
Suzanne D. Alexander
Matthew Glenn Bischoff
Nikolaos Dervisis
Alejandra Mardini
Isabelle Alexandra Moreau
Rebecca G. Newman
Lindsay Austin Weirich
Fabio Valentini

Doctor of Philosophy
Christopher E. Kuster
Shola Sulaimon

Department of Veterinary Pathobiology
Doctor of Philosophy
Mitchell Ho
Boazhen Qiao
Anna Marie Schotthoefer
Pratik Singh
Viswanathan Srinivasan

Of the 99 DVM graduates in the Class of 2003, 84 responded completely to a survey about post-graduation employment plans.

51 small animal practice
13 mixed animal practice
4 exotics practice
3 equine exclusive practice
1 bovine exclusive practice
1 large animal exclusive practice
3 academia
2 unemployed
6 other

NEW FACES



by Lianne Carr



Dr. Richard Fredrickson came to Illinois for a pathology residency in 1999 after nearly 10 years of private practice in equine and cow-calf and feedlot medicine.

After finishing that residency in 2002, Dr. Fredrickson was excited to stay on as a clinical assistant professor in the Veterinary Diagnostic Laboratory.

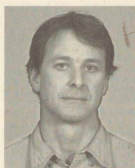
"With my large animal background, I thought I could bring a lot to the faculty," says Dr. Fredrickson of his appointment.

Dr. Fredrickson received both a DVM and a master's degree in veterinary toxicology from Iowa State University in 1990. He then worked as an associate veterinarian in a mixed animal practice from 1990 to 1994. In 1994, he opened his own practice in southeastern Illinois. He stayed in this 80% equine and 20% cow/calf feedlot practice until coming to Urbana for the residency.

His responsibilities in the College center on service and teaching in the Veterinary Diagnostic Laboratory. Dr. Fredrickson conducts necropsies, analyzes biopsies, and teaches general pathology, equine pathology, respiratory pathology, and interpretative serology to fourth-year students.

Dr. Fredrickson has always enjoyed reproductive work and is still involved in Thoroughbred reproduction. He owns Thoroughbreds and is a partner in an Arabian and Thoroughbred breeding farm.

He is also very involved in coaching his son and daughter in soccer, basketball, baseball, and football.



Dr. Matthew Stewart, assistant professor in veterinary clinical medicine, came to the University of Illinois in January 2003 to direct the new orthopedic biology research program.

Other clinical medicine faculty—Drs. Dianne Dunning, Dominique Griffon, and Allison Stewart—as well as residents in orthopedics are contributing to this new program.

Orthopedic biology has been Dr. Stewart's focus since earning a bachelor of veterinary science degree, the Australian equivalent of a DVM, from Sydney University in Sydney, Australia, in 1985. Also at Sydney University, he completed both an internship in large animal medicine and surgery in 1986 and a residency and master's degree in 1989.

He practiced privately in racetrack medicine from 1990 to 1993 and became a Fellow of the Australian College of Veterinary Scientists in Equine Surgery in 1994. Between 1994 and 1998, Dr. Stewart was enrolled in a PhD program in molecular and cellular biology of chondrocytes at Cornell University in Ithaca, N.Y.

Upon completion of his PhD in 1998, he served as assistant professor of orthopedics at Case Western Reserve School of Medicine in Cleveland, Ohio, until joining Illinois in 2003. His eventual return to a veterinary college to direct research "was all part of my big plan," he says.

Aside from his many academic and professional pursuits in veterinary medicine, Dr. Stewart is interested in athletics, including rock climbing and triathlons. He has also been a world traveler, including service as a veterinarian on a research team during a 3-month trip to Antarctica in 1990. ■

FEATURED FACULTY



by Julia Foster

Dr. Paul Cooke, professor of endocrinology in veterinary biosciences, joined the College faculty in 1987 and has spent the past 16 years as researcher, teacher, and world traveler.



Members of Dr. Cooke's lab include from left, in front: Melissa Zakroczymski, Afia Naaz (PhD student), Motoko Mukai (PhD student), Denise Holsberger (post-doc), and Sarah Kiesewetter (undergraduate); rear: Dr. Paul Cooke, Dan Lotorco (PhD student), Vimal Selvaraj (M.S. student).

Dr. Cooke and his research team are endocrinologists who study early development and growth. Their work with gene knockout mice—mice with one or two genes missing—has proved fruitful for investigating the physiological roles of various genes. Of particular interest are gene knockouts that regulate cell growth. With one gene missing, the mice grew a little bigger than normal; with two genes missing, the mice grew as big as a rat.

"The genes function to shut off growth at the appropriate time," he says. "Without them, the normal cell cycle (mitosis) is disrupted, cell division keeps going, and the animal gets bigger and bigger."

Seven people work in Dr. Cooke's lab, including three graduate students, one post-doc, one technician, and two undergraduates. He says their hard work often goes unheralded, but Dr. Cooke appreciates them.

"A large research group consumes a lot of resources," he notes. "I provide the framework, ideas, and write grants for the National Institutes of Health. I am essentially the fundraiser, while they are working hard in the lab, researching and churning out data."

In addition to doing research, Dr. Cooke enjoys teaching endocrinology to first-year veterinary students. He takes pleasure in watching the students evolve throughout their four years in the curriculum.

"I feel gratified knowing I've had a hand in the teaching process," he says. "We are proud of the graduates from this college."

Dr. Cooke was promoted to associate professor in 1993 and to professor in 1998. In addition, he was a University Scholar from 1997 to 2000, received the Levine Award for Research Excellence in 1993, and has appeared numerous times on the list of teachers ranked excellent. His other awards include the Pfizer Animal Health Award for Research Excellence (2001), the

Young Andrologist Award (1996) from the American Society of Andrology, and the National Research Service Award from the NIH from 1984 to 1987.

In service to the College Dr. Cooke chairs the morphology division in veterinary biosciences and serves on the executive committee, promotion and tenure committee, and discipline committee.

Dr. Cooke lectures on endocrinology around the globe. He has presented at meetings in Brazil, India, Australia, Japan, and all over Europe. Going to six or seven places a year has made traveling his hobby by default.

He often brings his family, which includes his wife, 9-year-old daughter, and 6-year-old son. He enjoys traveling much more when his family can join him for a little sightseeing. ■

KUDOS



Faculty Promotions

The College promoted **Dr. Gail Scherba**, veterinary pathobiology, to full professor and **Dr. Richard Wallace**, veterinary clinical medicine, to associate professor with indefinite tenure. Congratulations to both!

At the meeting of the American College of Veterinary Internal Medicine in North Carolina in June, Illinois faculty presented on a wide variety of topics. Speakers included Drs. **Cassandra Brown**, **Peter Constable**, **Louis-Philippe de Lorimier**, **Timothy Fan**, **Steven Marks**, **Dawn Morin**, **Mark Oyama**, **Robert Prosek**, **Rhonda Schulman**, and **David Sisson** and veterinary technician **Heather Soder**, all of veterinary clinical medicine, and **Dr. Philip Solter**, of veterinary pathobiology, among others. Illinois faculty did a great job of representing the College as a top resource for expertise on both small and large animal topics, ranging from coughing to critically reading food animal papers to myocardial contrast imaging.

Dr. Indrani Bagchi, veterinary biosciences, was an invited speaker at the annual meeting of the American Society for Reproductive Immunology at Yale University in New Haven, Conn., in June. In July, she was invited to speak at the annual meeting of the Society for the Study of Reproduction in Cincinnati, Ohio.

Debbie Cassout, medical technologist I in the Veterinary Diagnostic Laboratory, recently earned a bachelor's degree from Eastern Illinois University. She completed the degree while working full time.

Dr. Paul Cooke, veterinary biosciences, presented invited talks at the School of Public Health, Harvard University, Cambridge, Mass., and the Pennington Biomedical Research Center, Louisiana State University in Baton Rouge, La., this spring. He was also invited to speak at the 42nd Annual Meeting of the Society for Toxicology, Salt Lake City, Utah, in March; and in April spoke about thyroid toxicants in Alexandria, Va. Also in April, he served as a member of the National Institute of Environmental Health Sciences Board of Scientific Councilors

review of the Laboratory of Molecular Carcinogenesis in the Division of Intramural Research, Research Triangle Park, N.C.

Dr. Alexander El-Warrak, small animal surgery resident, lectured on orthopedic topics at the Federal University of Rio de Janeiro, Brazil, and the University of Passo Fundo, Rio Grande do Sul, Brazil, in June.

Dr. Lois Hoyer, veterinary pathobiology, and **Dr. Sheila McCullough**, veterinary clinical medicine, attended the 2003 Congress of the International Society for Human and Animal Mycology, in San Antonio, Texas, in May. Dr. Hoyer served on the organizing committee for the congress, co-convened the veterinary mycology session, and presented her work on *Candida albicans* cell-surface adhesions in the fungal biochemistry session. Dr. McCullough delivered the opening presentation in the veterinary mycology session.

Elizabeth Kennedy, client counselor specialist in the Veterinary Teaching Hospital, spoke at the Eastern Illinois Veterinary Medical Association Meeting on June 5. In July, she spoke at the Anti-Cruelty Society in Chicago along with members of the hospital oncology team. Kennedy was featured in the May issue of *Dog Fancy* and will appear in the August issue of *Dog World*.

Camilla Lieske, veterinary toxicology resident, received first place in the graduate student competition at the North Central Conference of Veterinary Laboratory Diagnosticians annual meeting in Minneapolis-St. Paul in June. She presented a case report entitled "Salinomycin toxicosis in alpacas." Other presenters at the meeting included **Valentina Merola**, toxicology resident, and **Marie Pinkerton**, zoological pathology resident. Faculty members **Drs. Carol Lichtensteiger**, pathobiology, and **John Andrews**, veterinary diagnostic laboratory, also attended.

A team representing the teaching hospital and diagnostic laboratory won the 2003 Faculty-Staff Bowling League. Members included **Colleen Lynch**, **Kristin Englehart**, **Dr. Jennifer Grimm**, **Joe Bokor**, **Dave Prather**, and **Linda Klippert**.

Dr. Tomas Martin-Jimenez, veterinary biosciences, presented two invited lectures at the 2nd European College of Veterinary Pharmacology and Toxicology workshop on pharmacokinetics in Lisbon, Portugal, in July.

Dr. Christine Merle, veterinary clinical medicine, has received certification by the Veterinary Hospital Management Association as a Certified Veterinary Practice Manager. The process included an application and oral and written examination. She is currently the only CVPM in the state of Illinois.

In March she answered questions at the Chicagoland Family Pet Show. She presented a six-hour continuing education seminar in April. Dr. Merle serves as faculty adviser for the College bookstore and the new student club, Veterinary Practice Builders Association.

Dr. Dawn Morin, clinical medicine, was invited to give five presentations at the Clinical Mastitis Symposium held at North American Veterinary Conference in Orlando, Fla., in January. In February, she presented at the National Mastitis Council in Dallas, Texas. She also helped organize the Illinois Llama Association Meeting in March, hosted by the College.

Dr. William Tranquilli, veterinary clinical medicine, spoke at several meetings this year, including the North American Veterinary Conference in January, Western States Veterinary Conference and American Veterinary Medical Association in Connecticut in February, American Animal Hospital Association in March, Veterinary Midwest Anesthesia and Analgesia Conference in April, AVMA in July and Central Veterinary Conference in August. He also co-sponsored the VMAAC meeting in Indianapolis with **Bill Muir** from Ohio State. He spoke at the Pet Care Centers of America meeting in Dallas in April, and presented at the Jackson-Hole Rendezvous meeting in June. He also serves on the International Academy of Animal Pain Management steering committee, and the meetings and financial committees, which help organize and support the academy. In September, IAAPM will meet to vote on officers and approve the IAAPM constitution at the 8th World Congress of Veterinary Anesthesia in Knoxville, Tenn.

Dr. Petra Volmer, veterinary biosciences, received a travel grant to attend the National Institute of Environmental Health Sciences conference entitled, "Metabolic Profiling: Application to Toxicology and Risk Reduction," in Research Triangle Park, N.C., in May. ■

Research Projects Funded between February 1 and April 30, 2003

General

Bagchi IC. Population Council, Center for Biomedical Research, \$77,404, A Novel Progesterone Receptor Modulator Released from a Vaginal Ring for Contraception.

Bagchi IC. Campus Research Board, \$6,000, Identification of Protein Targets of ERG1, An Estrogen-Induced Gene During Early Pregnancy.

Eurell TE. Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., Triage and Treatment of Laser Eye Injury on the Modern Battlefield.

Maddox CW. Campus Research Board, \$2,000, Optimizing Molecular Methods for Discriminating between Bacterial Isolates Capable of Food Borne Illness.

Hoyer LL. Campus Research Board, \$7,053, Molecular Biology of Candida Albicans Estrogen Response.

Bovine

Stewart MC. The Arthritis Foundation, \$100,000, Molecular Reconstitution of Articular Chondrocyte Proliferation.

Canine

Fan TM. Morris Animal Foundation, \$7,500, Canine Mast Cell Tumors: Correlating Serine Proteases with Metastatic Potential.

Griffon D. AO Vet Centre, \$12,045, Evaluation of Chitosan Scaffolds for In Vitro Amplification of Canine Chondrocytes and Cartilage Engineering.

Griffon D. Campus Research Board, \$16,650, Effect of a Dynamic Culture Technique on Mesenchymal Cell Distribution and Differentiation within 3-Dimensional Matrices.

Kitchell BE. Campus Research Board, \$5,549, Telomerase Inhibition in a Canine Tumor Model System.

Kitchell BE. Campus Research Board, \$5,550, The Role of Superoxide Dismutases in the Chemoresistance of Malignant Melanoma.

Paul AJ. Fort Dodge Laboratory, \$44,900, Clinical Observations from the Administration of ProHeart 12 (Moxidectin Canine Sustained Release Injectable) in Ivermectin-Sensitive Dogs.

Equine

Goetz TE. Illinois Department of Agriculture, \$10,000, Does Furosemide Enhance Athletic Performance of Racehorses?



What's new?

Send your news to *Vet Report*, U of I College of Veterinary Medicine, 3225 VMSB, 2001 South Lincoln Avenue, Urbana, IL 61802; fax: 217/333-4628; email: editor@cvm.uiuc.edu.

Sign up today for the College's new monthly electronic newsletter, *Illinois Vetnews*. Once a month you will receive useful information from the College, such as practice management tips and client handouts from the Extension group, updates on student activities, and news from the teaching hospital.

To add your address to our list, please send a request by email to vetnews@cvm.uiuc.edu or call Beth Erwin at 217/333-2762.

Virtual Class Reunions

Electronic bulletin board message centers have been created for the Classes of 1969, 1986, 1993, 1995, 1996, 1997, and each class since 2000. To receive the user ID and password to log in—or for help in starting one for your class—please contact Beth Erwin at berwin@cvm.uiuc.edu. Classes are using this space to share updated contact information, birth and wedding announcements, and stories about the pitfalls and pleasures of practice. Visit the secure Web site at <http://www.cvm.uiuc.edu/bbs/>.

Dr. Jane M. Turrel ('70), owner of Veterinary Oncology Specialties, a Pacifica, Calif., clinic specializing in radiation oncology, was honored by Cornell University's College of Veterinary Medicine for her support of its cancer program. The Jane M. Turrel Radiation Therapy Suite was dedicated in June. Dr. Turrel's parents both received bachelor's degrees from Cornell in 1943.

Dr. Hattie Bortnowski ('81), clinical instructor in small animal internal medicine at the University of Wisconsin-Madison School of Veterinary Medicine, received the SCAVMA Instructor of the Year Award in May. She was honored for distinguished



Dr. Beckmen's new position as an Alaskan wildlife veterinarian has involved radio collaring wolves, taking blood from a grizzly bear sow (note cub in foreground), and monitoring black bears.

Dr. Kimberlee B. Beckmen ('89) completed a PhD in Wildlife Biology from the University of Alaska Fairbanks in 1999 and then worked at the College as a research scientist in environmental toxicology and as co-director of Envirovet Aquatic. Last fall she accepted her "dream job" as the sole wildlife veterinarian for the Alaska Department of Fish and Game.

She recently sent an update about her new position:

"My first, urgent tasks were to develop a state-wide Chronic Wasting Disease surveillance plan in free-ranging cervids, initiate and coordinate a surveillance program of wild birds for West Nile virus with the state public health department, and reinstate an effective Institutional Animal Care and Use Committee. Field work mainly consists of assisting biologists with the capture of free-ranging wildlife. Major projects include a health assessment of the endangered Steller sea lion population in the Aleutian Islands,



surgical implantation of subcutaneous radio transmitters in harbor seals in Prince William Sound, and radio collaring of caribou.

"In May, I participated in a project to translocate 85 black bears and 9 grizzly bears in a two-week period. It was expected that we would be able to capture 30 to 60 bears but the super-efficiency of the capture team was only interrupted by the dwindling supply of Telazol (350 vials was not enough!). Timing was so short because we had to dart them from helicopters when they came out of hibernation but before leaf out on the trees and moose calving.

"These bears all came from a very small area near the Athabaskan native village of McGrath (which is on the Iditarod trail) that cannot harvest enough moose to meet subsistence needs because more than half the newborn calves are killed by bears. Wolves are a problem there also but they mainly prey on adult moose. This is part of an intense management experiment intended to test the



effectiveness of specific predator management in a localized system. Bears were moved about 200 miles away so by the time any returning bears reached McGrath, the calves would be old enough to avoid them. Keeping a plane load (5 to 7 bears) safely (for bears as well as pilot and veterinarian!) chemically restrained for several hours was often a daunting task for me, especially when there was a grizzly on board. Since I wanted them to recover as soon as possible after we reached the release site, it was often a fine line to tread on re-dosing for the last hour of the flight!

"Despite the packed schedule and unique stresses of the position, I couldn't be happier being a wildlife veterinarian pioneer on the Last Frontier!" ■

teaching and exemplary contributions to students.

Dr. Thomas J. Rosol ('81), professor of veterinary biosciences at The Ohio State University, has been named interim vice president for research.

"His long history as a researcher gives him valuable insight into the needs of the faculty as research becomes more complex," said Dr. Karen Holbrook, president of the university.

Rosol joined Ohio State as an assistant professor of veterinary pathobiology in 1986 and made full professor in 1996. He holds an adjunct faculty appointment in the Department of Medicine and is a full member of Ohio State's Comprehensive Cancer Center.

He became a diplomate of the American College of Veterinary Pathologists in anatomic pathology in 1987. He is active in the American College of Veterinary Pathology,

has been a reviewer for 25 scholarly journals, and has served as both an editorial board member and associate editor of *Veterinary Pathology*.

He has seven active research projects totaling \$2.3 million in support from the National Cancer Institute, the National Center for Research Resources, and the Schering-Plough Research Institute.

Dr. Stephen B. Hooser ('82), head of the toxicology section and assistant director of the Animal Disease Diagnostic Laboratory and associate professor in veterinary pathobiology at Purdue University, is currently president of the Comparative and Veterinary Specialty Section of the Society of Toxicology, having served over the previous 2 years as vice-president elect and vice president.

After leaving the toxicology program at Illinois, he spent 4 years in a post-doctoral

position at the University of Arizona and a year at the TNO Nutrition and Food Research Institute in The Netherlands before coming to Purdue.

Dr. Kip E. Panter (PhD '83), a research animal scientist with Poisonous Plant Research Laboratory in Logan, Utah, was named Senior Research Scientist of the Year for the Agricultural Research Service's eight-state Northern Plains Area.

"Dr. Panter is an international authority on the natural chemicals in lupines, poison-hemlock and other poisonous plants that cause birth defects in cattle, sheep, horses, goats and other livestock," said Edward B. Knippling of ARS.

Dr. Panter has presented at more than 50 national and international meetings and has authored or co-authored more than 200 articles for scientific publications.

Dr. Cheryl S. Rosenfeld ('95), research assistant professor at the University of Missouri, received the College of Veterinary Medicine's Golden Aesculapius Teaching Award for teaching Microanatomy to first-year veterinary students.

Dr. Sue Sterr ('95), owner of Covenant Animal Clinic in Clinton, Ill., temporarily moved her practice to a nearby business and began seeing patients again in little over a week after a tornado damaged the clinic at 9 pm on Friday, May 30.

According to employee Janet Crawley, the tornado ripped the roof from the front of the building and damaged the front wall. Miraculously, the patients inside were unharmed. The operating and radiology equipment, the computers, the food and medical supplies were all spared. File drawers were sucked open by the wind, but no paper medical records were lost.

"Everything's still there. For the shape we're in, we're in pretty good shape," said Crawley.

Dr. Kay (McKenna) Stratton ('97) and her husband, Steve, of Janesville, Wis., announce the birth of their son, Ian McKenna, born April 14. He joins his big sister, Natalie, age 5 1/2 years.

Dr. Julia Veir ('98) has completed a residency in medicine at Colorado State University and is pursuing a PhD working with novel therapies for chronic rhinitis in cats, inflammatory mediators in cats with asthma, and other projects dealing with aberrant immune responses in cats with respiratory disease. Her mentors are Drs. Mike Lappin and Steve Dow.

Dr. Seth Ghantous ('00) was named Small Animal Resident of the Year by the University of Wisconsin-Madison School of Veterinary Medicine in May. The award, which recognizes outstanding contribution of time and expertise as a teacher, is determined by a vote of the fourth-year veterinary students. ■

Student News

Michael Adkesson, class of 2004, won first place in the Wildlife Pharmaceuticals veterinary student manuscript competition sponsored by the American Association of Zoo Veterinarians. His paper focused on *Gongylonema sp.* infections in callitrichids, which are a family of small monkeys from South America including tamarins, Goeldi's monkeys, and marmosets. He will present his work at the AAZV's annual conference in Minneapolis in October.

Jason Bleedorn, class of 2005, will spend the summer at a research externship for Pfizer in Ann Arbor, Mich., studying hypertension in mice. He will present his findings to Illinois faculty in August.

Eight veterinary students were chosen to participate in the new Center for Zoonoses Research Veterinary Student Summer Training Program in Infectious Disease Research, which was funded by the Governor's Venture Technology Program. The students will work side-by-side with faculty mentors conducting various infectious disease laboratory and fieldwork experiments. The students include **Luke Borst**, who will be working with **Dr. Carol Maddox**, **Anthony Cappa**, who will be working with **Dr. Uriel Kitron**, and **Rebecca Dieter**, working with **Drs. Roberto Docampo** and **Uriel Kitron**. **Stacy Furgang** will work with **Drs. Peter Constable** and **Carol Maddox**, while **William Love** will pair up with **Dr. Tony Goldberg**. **Marie Sienkewicz**, will work with **Dr. Randy Singer**, **Jason Smith** will work with **Dr. Lois Hoyer**, and **Amy Wolf** will work with **Dr. Marilyn Ruiz**. On August 18, the students will present their research findings at a poster presentation and reception.

Illinois to Host Student Economic Symposium

Illinois veterinary students are organizing the seventh annual Veterinary Economic Symposium, offered through the Student American Veterinary Medical Association to increase veterinary students' awareness of current issues facing the profession. On October 17 and 18, 250 students from Midwest veterinary schools are expected to attend the symposium in Urbana.

Speakers from across the country have been invited to address topics such as gender issues, debt management, contract ne-

Sarah Deitschel, class of 2006, was hired as the new Wildlife Medical Clinic Student Co-Manager. Sarah has experience working with native wildlife in Florida, and became a WMC volunteer her first year in the veterinary curriculum.

Students Thank Hill's

The student chapter of the International Association for Aquatic Animal Medicine would like to thank the Hill's Student Feeding Committee for support of the first IAAAM Illinois Student Workshop. Ten students traveled to Florida, where they met with veterinarians at Clearwater Marine Aquarium, Mote Marine Laboratory, and Sea World in Orlando. The students toured the hospitals and discussed the issues of aquatic animal medicine and the overall profession. The trip was invaluable for students who wish to work with aquatic species.

In February, Wildlife Medical Clinic volunteers **Danny Skirvin** and **Lynn Collura**, Class of 2006, **Rose Krupka**, Class of 2005, and **Julie Bar**, Class of 2003, joined **Rose Ann Meccoli**, pathobiology, to attend the Toxicology Short-Course for Wildlife Professionals, held at the Brookfield Zoo. The volunteers learned de-contamination techniques and received training on a wide variety of toxicants that wildlife may encounter. Students presented their knowledge during wildlife rounds, which enhanced all volunteers' ability to treat cases presented to the WMC. The student's tuition was subsidized by the Hill's Student Feeding Committee. ■



August

- 8-17 CVM/ISVMA Veterinary Medicine Exhibit at the Illinois State Fair, Springfield, Ill. To volunteer, call Beth Erwin, 217/333-2762.
- 22-Sept. 1 CVM/ISVMA Veterinary Medicine Exhibit at the DuQuoin State Fair, DuQuoin, Ill. To volunteer, call Beth Erwin, 217/333-2762.
- 23 Central Veterinary Conference Alumni Reception, Kansas City, Mo. Call Beth Erwin, 217/333-2762.
- 24-26 New Student Orientation, Urbana, Ill. Please e-mail admissions@cvm.uiuc.edu for more information.

September

- 6 Mentor Tailgate Party, Champaign, Ill. Call Academic and Student Affairs, 217/333-1192.

October

- 8 Annual Job Fair, Urbana, Ill. Call Academic and Student Affairs, 217/333-1192.
- 9-10 Fall Conference for Veterinarians, Urbana, Ill. Call Judy Mewes at 217/333-2907.
- 11 Fall Conference/Dean's Club Tent Party for Veterinarians, Champaign, Ill. Call Beth Erwin, 217/333-2762.
- 18-18 SAVMA Economic Symposium for Veterinary Students, Urbana, Ill. See www.cvm.uiuc.edu/iscavma/EconSymp/.

November

- 22 AAEP Alumni Reception, New Orleans, La. Call Beth Erwin, 217/333-2762.

Thanks to Hill's

In the past year, in addition to aiding students with externships, conference attendance, and other travel and learning opportunities, the Hill's Student Feeding Committee provided support for the following activities at the College:

- First Year Vet Student Orientation
- Mentor/Vet Student Pre-Game Event
- Veterinary Job Fair
- Fall Conference Alumni Pre-Game Event
- Student Applicant Interviews and Recruitment Program
- Annual Veterinary Medicine Open House
- White Coat & Green Coveralls Ceremony
- Graduating Senior Student Farewell
- CVM Commencement Reception
- CVM Holiday Dance
- Improvements to the Small Animal Emergency Room
- Equipment for Vet Med Fitness Club
- Tenesmus Times, a monthly SCAVMA publication



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Warwick A. Arden
Interim Head of Veterinary Pathobiology:
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Come to Urbana in October for Fall Conference

Watch your mailbox in August for the annual Fall Conference registration materials. (Hint: It's not a booklet any more; it's a slick brochure.) There's no better way than attending to earn up to 12 hours of practical continuing education credit and to enjoy the company of colleagues and former classmates and teachers.

The excitement starts Wednesday, October 8, with the biggest and best job fair yet! A highlight will be the introduction of our new interactive job database (see story at right).

On October 9 and 10 choose from sessions on bioterrorism awareness, PRRS, treating cancer, transdermal therapeutics, small animal endocrinology (with keynote speaker Richard Nelson from the University of California-Davis), canine lameness, diagnosing heart disease, selling or buying a veterinary practice (with Denise Tumblin, a veterinary financial adviser with Wutchiett Tumblin and Associates, of Columbus, Ohio), and more.

Don't miss the reception on Thursday evening, when the joint College and Alumni Association awards will be given, and the tail gate party and football game against Michigan State on Saturday.

For information on hotel and conference registration, see the brochure mailed in August, visit our Web site (www.cvm.uiuc.edu/ceps/fallconf/), or call Judy Mewes at 217/333-2709. ■

Virtual Center Will Bring Life Skills to Students, Veterinarians

In recognition of the increasing importance of providing life skills to veterinary students, the Schnurmacher Foundations have made a grant of \$100,000 over four years to the College for the creation of a Veterinary Resource Center Web Site.

"The main purpose of the site will be to provide current veterinary students at the College with information about externships, summer job openings, and other opportunities for career exploration as well as with valuable tools for tasks such as creating a personal financial plan, writing a resume, and interviewing potential employers," says Dr. Christine Merle, assistant dean for public engagement, who was instrumental in procuring the grant.

Dr. Peter Weinstein, a 1986 graduate of the College who is a full-time practice management consultant, is a member of the board of the Schnurmacher Foundations, a private foundation based in New York. He approached the College about creating a program that could help students prepare for "life after vet school."

He notes, "Anything that provides veterinary students with resources in an easily accessible and speedy fashion will contribute to their quality of life after veterinary school. I expect this to be not only a national resource with time, but possibly a global resource for veterinarian students all over the world."

"We hope to be ready to introduce at least the jobs database portion of the site at the Job Fair and Fall Conference on October 8 through 10," says Mary Kelm, assistant dean for academic and student affairs, who is working with students to create the site.



Illinois veterinary students will be intimately involved in developing and maintaining the site to ensure that it will meet student needs. April Finan, Class of 2005 (at left), and Frank Lee, Class of 2006, are working on this project under the direction of Mary Kelm (center in photo) and Dr. Christine Merle (not pictured).

The site will supplement the orientation and business courses now being taught at the College and will offer resources such as recommended books, courses, articles, and other useful Web sites. ■

Get Your Football Tickets Now!

Call Beth Erwin at 217/333-2762 to purchase tickets for games this fall. Tickets for tailgate parties on September 6 (mentors/students) and October 11 (Fall Conference/Dean's Club) cost \$15 (\$5 for students coming September 6).

| Date | Opponent | Cost |
|----------|----------------|------|
| Sept. 6 | Illinois State | \$29 |
| Sept. 20 | California | \$31 |
| Sept. 27 | Wisconsin | \$31 |
| Oct. 11 | Michigan State | \$27 |
| Oct. 25 | Minnesota | \$31 |
| Oct. 22 | Northwestern | \$31 |

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